



Pseudomonas & Cystic Fibrosis

Micronaut –S products are based on broth microdilution described in ISO20776-1:2006 referred to in EUCAST documents

MICRONAUT-S Pseudomonas MIC

MICRONAUT-S Cystic Fibrosis

MICRONAUT-S Colistin MIC



MICRONAUT-S Pseudomonas provides M.I.C. results against 17 antibiotics that may be used to treat *Pseudomonas* spp. EUCAST has advised that only broth microdilution should be used to obtain Colistin M.I.C. data.

17 M.I.C.s

MICRONAUT-S Cystic Fibrosis provides susceptibility data against 10 individual antibiotics and 14 combinations of antibiotics.

14 combined antibiotics

MICRONAUT-S Colistin MIC individual strips are in-line with the EUCAST news bulletin issued **22 March 2016** which highlights problems with several methods, and suggests only broth microdilution method (ISO 20776-1:2006) is suitable. The bulletin states:

'Susceptibility testing by other methods, including agar dilution, disk diffusion and gradient diffusion, cannot be recommended'



recommended

MICRONAUT-S Pseudomonas MIC

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|----------------------|-------|------|------|------|-----|------|-------|--------|--|
| Amikacin | 32 | 16 | 8 | 4 | | | | | |
| Aztreonam | 16 | 8 | 4 | 1 | | | | | |
| Cefipim | 8 | 4 | 2 | 1 | | | | | |
| Ceftazadim | 32 | 16 | 8 | 4 | 2 | 1 | 0.5 | 0.25 | |
| Ciprofloxacin | 8 | 4 | 2 | 1 | 0.5 | 0.25 | 0.125 | 0.0625 | |
| Colistin | 8 | 4 | 2 | 1 | | | | | |
| Doripenem | 4 | 2 | 1 | | | | | | |
| Fosfomycin | 64 | 32 | 16 | 8 | | | | | |
| Gentamycin | 32 | 16 | 8 | 4 | 2 | 1 | 0.5 | 0,25 | |
| Imipenem | 8 | 4 | 2 | 1 | | | | | |
| Levofloxacin | 8 | 4 | 2 | 1 | 0.5 | 0.25 | 0.125 | 0.0625 | |
| Meropenem | 16 | 8 | 4 | 2 | 1 | 0.5 | 0.25 | 0.125 | |
| Piperacillin | 32 | 16 | 8 | 4 | | | | | |
| Pip/sublactam | 32/4 | 16.4 | 8/4 | 4/4 | | | | | |
| Pip/tazobactam | 128/4 | 64/4 | 32/4 | 16/4 | 8/4 | 4/4 | 2/4 | 1/4 | |
| Tobramycin | 32 | 16 | 8 | 4 | 2 | 1 | 0.5 | 0.25 | |
| Trim/Sulfamethoxazol | 8/152 | 4/76 | 2/38 | 1/19 | | | | | |

MICRONAUT-S Cystic Fibrosis

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|------------------------|-------|-------|------|-------|--------------------------|-------|------|------|------|
| Amikacin | 64 | 32 | 16 | 8 | Meropenem | 16 | 8 | 4 | 2 |
| Aztreonam | 32 | 16 | 8 | 4 | Meropenem/Amikacin | 16/16 | 8/16 | 4/16 | 2/16 |
| Ceftazadim | 32 | 16 | 8 | 4 | Meropenem/Fosfomycin | 16/32 | 8/32 | 4/32 | 2/32 |
| Ceftazadim/Amikacin | 32/16 | 16/16 | 8/16 | 4/16 | Meropenem/Tobramycin | 16/4 | 8/4 | 4/4 | 2/4 |
| Ceftazidim/Fosfomycin | 32/32 | 16/32 | 8/32 | 4/32 | Piperacillin | 128 | 64 | 32 | 16 |
| Ceftazadim/Tobramycin | 32/4 | 16/4 | 8/4 | 4/4 | Piperacillin/Tazobactam | 128/4 | 64/4 | 32/4 | 16/4 |
| Ciprofloxacin | 4 | 2 | 1 | 0.5 | Tobramycin | 16 | 8 | 4 | 2 |
| Ciprofloxacin/Colistin | 4/2 | 2/2 | 1/2 | 0.5/2 | Tobramycin/Ceftazidim | 16/8 | 8/8 | 4/8 | 2/8 |
| Colistin | 8 | 4 | 2 | 1 | Tobramycin/Meropenem | 16/4 | 8/4 | 4/4 | 2/4 |
| Colistin/Ciprofloxacin | 8/1 | 4/1 | 2/1 | 1/1 | Trimeth/Sulfamethoxazole | 4/76 | 2/38 | 1/19 | |
| Fosfomycin | 128 | 64 | 32 | 16 | | | | | |
| Fosfomycin/Ceftazidim | 128/8 | 64/8 | 32/8 | 16/8 | | | | | |
| Fosfomycin/Meropenem | 128/4 | 64/4 | 32/4 | 16/4 | | | | | |
| Levofloxacin | 8 | 4 | 2 | 1 | | | | | |

MICRONAUT-S Colistin MIC

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|----------|----|----|----|---|---|---|---|-----|------|-------|--------|
| Colistin | 64 | 32 | 16 | 8 | 4 | 2 | 1 | 0.5 | 0.25 | 0.125 | 0.0625 |
|----------|----|----|----|---|---|---|---|-----|------|-------|--------|